

Implementation of a risk predictive tool for *Clostridium difficile* in primary care

Ansu Joseph, Amanj Kurdi, Marion Bennie, Charalampos Kyfonidis

Introduction

- *Clostridium difficile* is a gram positive-spore forming anaerobic bacteria that forms colitis through the disruption of the gut flora after the consumption of antibiotics.
- The health board suggested the reduction of 4C antibiotics to prevent *C. diff* however not in every case it is possible.
- A model was created using some patient's variables to predict whether to prescribe or not antibiotics.

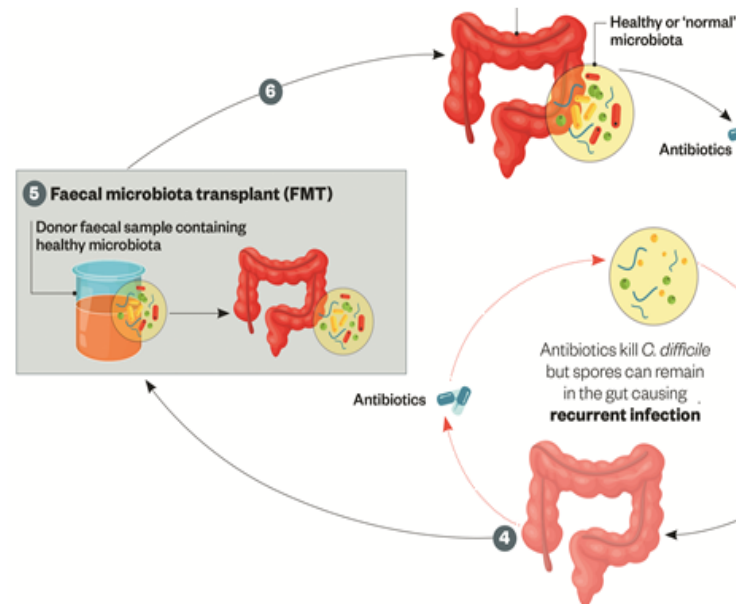


Figure 1 Process of activation of *C. diff* infection

Aim

- Design a user centred tool for risk prediction for *C. diff*
- Observe and report factors that influence the adoption of the tool

Method

Recruited 3 GP champions

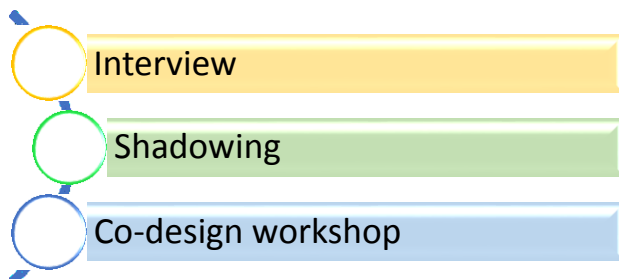
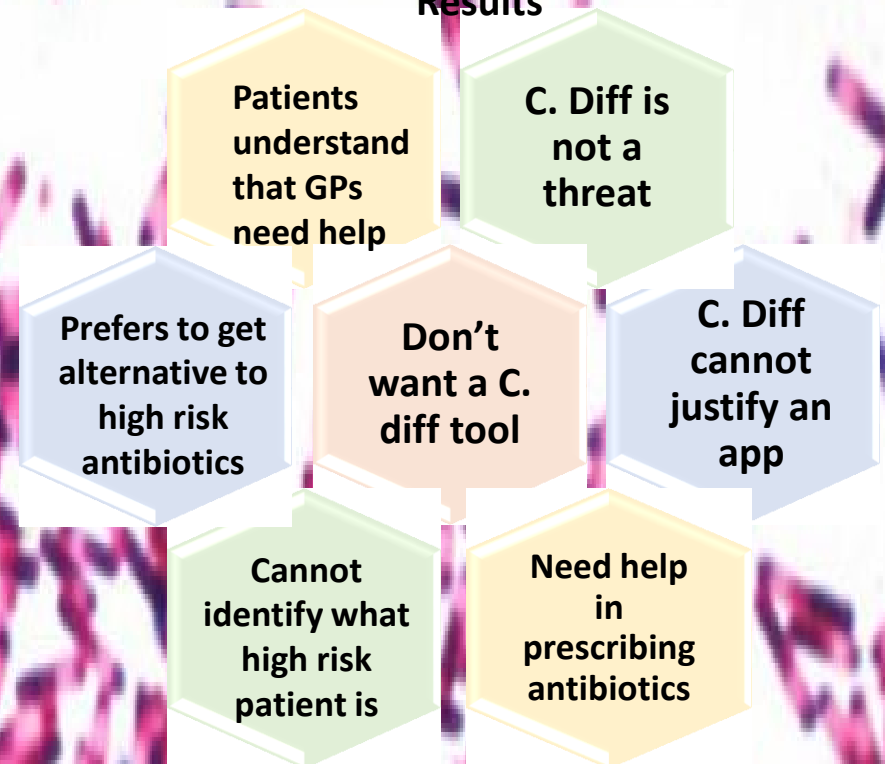


Figure 2 GP consultation

Results



Future work

- Investigate whether it is possible to create a tool that provides alternatives to high risk antibiotics
- Conduct the shadowing and the co-design workshop